



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Orr et al.

**Serial No.:** 10/657,909

**Filed:** September 8, 2003

**For:** APPARATUS AND METHOD FOR  
NON-INVASIVELY MEASURING  
CARDIAC OUTPUT

**Confirmation No.:** 5649

**Examiner:** Unknown

**Group Art Unit:** 3762

**Attorney Docket No.:** 2077.1-2745.3US

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 1, 2004  
Date

Signature

Deidra J. Pfeil  
Name (Type/Print)

**PRELIMINARY AMENDMENT**

Mail Stop Non-Fee Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

Prior to examination of the above-referenced patent application on the merits, entry of the amendments as set forth herein is respectfully solicited.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing which begins on page 4 of this paper.

**Remarks** begin on page 7 of this paper.